

20010414.qrp v02\_n159.qrl.20010414

Date: Sat, 14 Apr 2001 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2159

QRP-L Digest 2159

Topics covered in this issue include:

- 1) [96303] Re: Plotting Program  
by Bruce Muscolino <w6toy@erols.com>
- 2) [96304] For Auction ; Red Hot Radio 20  
by Levent Sasmazel <levent@netlabs.net>
- 3) [96305] Re: HB sheet metal brake  
by "John A. Evans - N0HJ" <jaevas@codenet.net>
- 4) [96306] FS...Keyer  
by "T.W." <wb5qyt@abq.com>
- 5) [96307] FS or Trade  
by "T.W." <wb5qyt@abq.com>
- 6) [96308] CONTEST  
by KB7WW Art Moe <kb7ww@chatusa.com>
- 7) [96309] Re: K7Q0's page  
by "Mark Hogan" <mhogan@email.msn.com>
- 8) [96310] Re: K7Q0's page  
by "Mark Hogan" <mhogan@email.msn.com>
- 9) [96311] Re: K7Q0's page  
by Bill Walker <kd7jzb@mindspring.com>
- 10) [96312] fs:I Still have MORE of Sub "C" NiCad Cells>>CHEEP!  
by RLucch2098@aol.com
- 11) [96313] fs: Still a few left-AUDIO AMP BOARDS-BUILT \$10ppd  
by RLucch2098@aol.com
- 12) [96314] psk reflector question  
by "Jim" <sunwatt@starband.net>
- 13) [96315] Re: DSW/PC tuning...OR...an amateur programmer's mistake  
by "William Mabry" <n4qa@hotmail.com>
- 14) [96316] Re: Amazing Analyzer  
by "Dave Fifield" <ad6a@earthlink.net>
- 15) [96317] Re: Dayton Hamvention Rooms  
by "Dave Fifield" <ad6a@earthlink.net>
- 16) [96318] Looking for two variable caps  
by Ed Kessler <edkess@pa.net>
- 17) [96319] [OT]Re::interfacing PDA with QRP rig  
by adamvaz@palm.net (Adam Vazquez)
- 18) [96320] OT: Toshiba laptop help  
by "John Moriarity" <k6qq@hdo.net>
- 19) [96321] [MH101] Spec sheets

by "Chuck Adams, K7Q0" <k7qo@earthlink.net>  
20) [96322] Re: PSK31 Reflector  
by "TRI" <vu2tri@yahoo.com>  
21) [96323] Re: OT: Toshiba laptop help  
by geoff allsup <gallsup@whoi.edu>  
22) [96324] Fw: MD AT 20M SSB tomorrow approx noon  
by "Ron Polityka" <wb3aal@fast.net>  
23) [96325] Re: OT: Toshiba laptop help  
by "Karl F. Larsen" <k5di@zianet.com>  
24) [96326] Re: [OT]Re::interfacing PDA with QRP rig  
by "David Ek" <ekdave@earthlink.net>  
25) [96327] WTB: ZM-2  
by "NZ8J" <timcook@erinet.com>  
26) [96328] Dayton Vendor/Club night  
by Jim Stafford <w4qo@amsat.org>  
27) [96329] MFJ 9420 VFO Drift Fix?  
by Randy & Cara Randall <crrandal@seidata.com>  
28) [96330] Contest is ON!  
by Jim Stafford <w4qo@amsat.org>  
29) [96331] Re: Toshiba laptop help  
by "Ilana and Steve" <linus@total.net>  
30) [96332] Re: MFJ 9420 VFO Drift Fix?  
by "Doug Person" <DougPerson@attglobal.net>  
31) [96333] Re: Fw: MD AT 20M SSB tomorrow approx noon  
by Garie Halstead <k8kfj@ntelos.net>  
32) [96334] Losses in "450" Ohm WIndow Line  
by "James R. Duffey" <jamesd1@flash.net>  
33) [96335] Re: Fw: MD AT 20M SSB tomorrow approx noon  
by "Ron Polityka" <wb3aal@fast.net>  
34) [96336] Re: The web paper only showed less than 0.1 dB loss for `100 feet of  
ladder line  
by "Bob Tellefsen" <n6wg@earthlink.net>  
35) [96337] FS: K2  
by "Bob Hightower" <nk7m@extremezone.com>  
36) [96338] ARCI Spring QSO Party  
by Tim Pettibone <k5oi@zianet.com>  
37) [96339] Re: ARCI Spring QSO Party  
by "Ron Polityka" <wb3aal@fast.net>  
38) [96340] QRP Wireless Internet!  
by "Denis Englander" <ko6gf@slip.net>  
39) [96341] QRP Wireless Internet! 802.11b explained  
by "Denis Englander" <ko6gf@slip.net>  
40) [96342] Re: OT: Toshiba laptop help  
by "William B. Keane" <bkeane@mail1.nai.net>  
41) [96343] qrp/distance  
by ac5ez@webtv.net (Larry)  
42) [96344] Re: Losses in "450" Ohm WIndow Line  
by "Karl F. Larsen" <k5di@zianet.com>

- 43) [96345] Re: QRP Wireless Internet! 802.11b explained  
by Joe Reed <joe@n9jr.dyndns.org>  
44) [96346] 10.106  
by William R Colbert <w5xe@juno.com>  
45) [96347] Re: Losses in "450" Ohm WIndow Line  
by Bruce Muscolino <w6toy@erols.com>  
46) [96348] OT: Toshiba laptop help AGAIN & Thanks!  
by "John Moriarity" <k6qq@hdo.net>  
47) [96349] Re: Losses in "450" Ohm WIndow Line  
by Bob Nielsen <nielsen@oz.net>  
48) [96350] Re: 10.106  
by Paul Mills <cybrinjn@gis.net>

-----  
Date: Fri, 13 Apr 2001 19:00:48 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: w2rnb@prodigy.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [96303] Re: Plotting Program  
Message-ID: <3AD78520.E51E424C@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Royce,

If you capture the data by hand you can enter it into Excel and do any of several types of plots.

73

-----  
Date: Fri, 13 Apr 2001 19:25:42 -0400  
From: Levent Sasmazel <levent@netlabs.net>  
To: qrp-l@Lehigh.EDU  
Subject: [96304] For Auction ; Red Hot Radio 20  
Message-ID: <3AD78AF6.E1587D34@netlabs.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am opening space for a FT-817 so I did put this last item to eBay. Any one who interested can check the Radio using the following URL. If any

one from the QRP-L list buys this radio Keyer on the picture will be added to the package. Just send me an e-mail with your QRP-L ID Number.

<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1229052400>

Good luck and 73s  
Levent KC2CNY

-----  
Date: Fri, 13 Apr 2001 17:58:55 -0600  
From: "John A. Evans - N0HJ" <jaevans@codenet.net>  
To: eroswell@monmouth.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96305] Re: HB sheet metal brake  
Message-ID: <3AD792BE.6D316538@codenet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ed et al.,

I discovered that if you slip a thin piece of metal behind the bend that you want to get tighter towards 90 degrees, i.e, between the exterior of the bend and the backside of the V groove, it will get you closer to where you want to be. I used an old steel rule that was not wider than the brake capacity and was able to get my aluminum closer and past 90 degrees. I think the rule was about half the thickness of the aluminum I was bending. I didn't try different thicknesses, but I believe that varying thickness would give varying angles.

72 - john - n0hj

"E. Roswell" wrote:

It is hard to get a 90 degree bend with this method in springy metal (the V is 90 degrees, so you can't go over that to take the set, before it springs back). In those cases, and for wide sheets, I still use the wood brake from the QST article.

> 73, Ed,  
> K2MGM.

-----  
Date: Fri, 13 Apr 2001 18:56:24 -0600  
From: "T.W." <wb5qyt@abq.com>  
To: <qrp-1@lehigh.edu>  
Subject: [96306] FS...Keyer  
Message-ID: <MABBIKAEJKMHLIDDGMCKCEBNCHAA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

Have the following for sale:

1. MFJ Electronic Keyer model 407D....works FB and a 10 inside and  
out.....69 bux new

Will sell for 40 bux...shipped CONUS...

72, Tom WB5QYT..."Have spud will travel!"

-----  
Date: Fri, 13 Apr 2001 18:56:25 -0600  
From: "T.W." <wb5qyt@abq.com>  
To: <qrp-1@lehigh.edu>  
Subject: [96307] FS or Trade  
Message-ID: <MABBIKAEJKMHLIDDGMCKEEBNCHAA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

Have a real nicely made homebrew electronic keyer...See QST Aug.1973  
article. AC only, bud box.

Will trade for anything qrp related that interests me, or 25 bux shipped  
CONUS.

72, Tom WB5QYT....."Have spud will travel!"

-----  
Date: Sat, 12 Apr 2008 18:24:37 -0700  
From: KB7WW Art Moe <kb7ww@chatusa.com>  
To: qrp <qrp-1@lehigh.edu>  
Subject: [96308] CONTEST  
Message-ID: <480160D5.DB6B3639@chatusa.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

As most of you know this weekend is the QRP ARCI's spring contest. If the geomagnetic field settles down conditions might get good on the upper bands, or Q's might be like hens teeth. Anyway keep your ears open for a small signal from the left coast.

C U on the bands.

Art  
KB7WW  
CN85 OR.

-----  
Date: Fri, 13 Apr 2001 20:35:36 -0500  
From: "Mark Hogan" <mhogan@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96309] Re: K7QO's page  
Message-ID: <002b01c0c483\$3599b6c0\$55111b3f@compaq>

I don't seem to be able to reach Chucks homepage  
<http://www.qsl.net/k7qo/swl30p.html>

Do I have the right link?

Mark Hogan / N50BC

-----  
Date: Fri, 13 Apr 2001 20:52:30 -0500

From: "Mark Hogan" <mhogan@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96310] Re: K7Q0's page  
Message-ID: <004701c0c485\$91bf4620\$55111b3f@compaq>

Thanks all I now know the server was down

-----  
Date: Fri, 13 Apr 2001 18:48:17 -0700  
From: Bill Walker <kd7jzb@mindspring.com>  
To: QRP-L Server <qrp-l@Lehigh.EDU>  
Subject: [96311] Re: K7Q0's page  
Message-ID: <5.0.2.1.0.20010413184440.009de860@mail.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Actually, there are numerous web pages which don't seem to be there anymore, mine included.  
I have been able to load a couple of pages from qsl.net and their home page loads up but most pages that I have tried are gone. Temporarily I hope...

72

At 20:35 4/13/01 -0500, you wrote:  
>I don't seem to be able to reach Chucks homepage  
><http://www.qsl.net/k7qo/swl30p.html>  
>  
>Do I have the right link?  
>  
>Mark Hogan / N50BC

Bill Walker - KD7JZB  
[kd7jzb@arrl.net](mailto:kd7jzb@arrl.net)  
<http://www.qsl.net/kd7jzb>

-----  
Date: Fri, 13 Apr 2001 22:13:08 EDT  
From: RLucch2098@aol.com  
To: qrp-l@lehigh.edu, heathkit@qth.net  
Subject: [96312] fs:I Still have MORE of Sub "C" NiCad Cells>>CHEEP!  
Message-ID: <40.a01d450.28090c34@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Hi Guys:

For Sale:

BRAND-NEW Gates brand Sub-c Nicd rechargeable batteries. Made in the USA  
They come with No markings but are from a major NiCad battery supplier and he  
uses them in his packs.

You can string them for a nice Nicad DC power pack for QRP work or anything  
for that matter, they can be used in some portable flaslights, drills, etc.  
Price is \$17 for 12 shipped Priority.

Thanks es 73....Rich WA2RQY (1961)

-----  
Date: Fri, 13 Apr 2001 22:16:37 EDT

From: RLucch2098@aol.com

To: qrp-l@lehigh.edu

Subject: [96313] fs: Still a few left-AUDIO AMP BOARDS-BUILT \$10ppd

Message-ID: <ab.8306cd6.28090d05@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Hi All;

I got a bunch of Audio Amplifier boards with 4 transistors on them.

Has 3-2n3904 and 1-2n3906 with 8 ohm output, run off about 5-12vdc.

The size is about 4" x 3" for 3units.

And about 5" x 3-1/2" on 4 others.

The sizes and placement of components may vary a bit from this picture.

<http://members.nbci.com/wa2rqy/audioamp.jpg>

Use it in your portable qrp rig, built it into something or use with your  
xtal radio.

Price is \$10ppd.

Thanks es 73....Rich WA2RQY (1961)

WA2RQY's "confusion Radio" Web-Page

[Http://members.aol.com/rlucch2098/index.html](http://members.aol.com/rlucch2098/index.html)

RLUCCH2098@aol.com

"Keep those heaters on"

-----  
Date: Fri, 13 Apr 2001 21:19:40 -0500

From: "Jim" <sunwatt@starband.net>

To: <edl@pacbell.net>

Cc: "QRP-L" <qrp-L@Lehigh.edu>

Subject: [96314] psk reflector question



Message-ID: <003a01c0c489\$65ed7b80\$9a354794@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Goto [www.yahoogroups.com](http://www.yahoogroups.com) and search for psk31. Also sign up for digital radio, it covers all the modes, and you'll get word of all the latest freeware.

Jim KJ5TF

-----  
Date: Fri, 13 Apr 2001 22:19:34 -0400  
From: "William Mabry" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [96315] Re: DSW/PC tuning...OR...an amateur programmer's mistake  
Message-ID: <F115ExkiyPoHZgzDgtZ0000673a@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Ok. The program now runs on a 386sx-20 mHz, vintage 1991; an 'authentic' IBM PC350-P90 (90 mHz Pentium) vintage 1995; and an AST Adventure! 200 (AMD P5 133 mHz) vintage 1997. Maybe, one of these days, I'll warp right into the 21st Century... 'Hopefully', scaling up to the newest speed-demon machines will now be less painful ..wonder if the XYL will allow ONE MORE PC in the house... Ya might know, this IBM machine defaults LPT1 to base address 0x3BC, instead of 0x378 like all my clones... I can faintly hear the question "WHY are you doing this, Bill?". Well, it's just something I gotta do. Now I don't imagine this thing will take off with the backpacking crowd, unless we adapt it to a PDA or somethin' real small... but it is fun to use down here in the den. I'll make known all the pertinent stuff when I get some more of it figured out.  
73,  
Bill, N4QA

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com>  
-----

Date: Fri, 13 Apr 2001 19:39:39 -0700  
From: "Dave Fifield" <ad6a@earthlink.net>  
To: <g4wif@btinternet.com>, "Low Power Amateur Radio Discussion" <qrp-

l@Lehigh.EDU>  
Subject: [96316] Re: Amazing Analyzer  
Message-ID: <002701c0c48c\$29078c80\$0600a8c0@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Tony's right - the "Atlas" model is newer and has more features  
for less money than the old one I have!

I'll have to trade up....thanks for the information Tony.

Cheers es 72,  
Dave Fifield, AD6A

----- Original Message -----  
From: "Tony Fishpool" <g4wif@btinternet.com>  
Subject: Re: Amazing Analyzer

The product that Dave AD6A mentioned is not the same as the "Atlas" that  
Dave W7AQK recommended. Have a look at ....

<http://www.peakelec.co.uk/products/atlas/atlas.htm>

... and compare the extra features it has.  
(snip)

-----  
Date: Fri, 13 Apr 2001 19:42:22 -0700  
From: "Dave Fifield" <ad6a@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96317] Re: Dayton Hamvention Rooms  
Message-ID: <002d01c0c48c\$89cdb800\$0600a8c0@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Wow, this is the first year for a long while that I can  
recall there being spare rooms for Dayton! I guess  
the downturn in the economy must be biting hard -  
I had to can' my trip there this year....just couldn't  
justify spending that much money on it....oh well...  
maybe next year.

Cheers es 72,  
Dave Fifield, AD6A

----- Original Message -----

From: "Hank Kohl K8DD" <k8dd@arrl.net>  
Subject: Dayton Hamvention Rooms

As of April 12 there are 5 open rooms on the list.  
(snip)

-----  
Date: Fri, 13 Apr 2001 22:56:44 -0400  
From: Ed Kessler <edkess@pa.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Cc: "Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>  
Subject: [96318] Looking for two variable caps  
Message-ID: <5.0.2.1.0.20010413225406.00aa08a0@mailhost.epix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,  
I'm in the market for two, preferably matching, 200 pF variable capacitors. My preference is double bearing, low minimum, medium size. Anybody have any to sell?

73s

Ed AA3SJ

73s

Ed AA3SJ

Ed Kessler AA3SJ  
950 Woodside Station Road  
Millersburg, PA 17061

website: <http://www.qsl.net/aa3sj>

-----  
Date: Fri, 13 Apr 2001 23:38:46 -0400  
From: adamvaz@palm.net (Adam Vazquez)  
To: ekdave@earthlink.net, adamvaz@mobile.att.net, qrp-l@Lehigh.EDU  
Subject: [96319] [OT]Re::interfacing PDA with QRP rig  
Message-ID: <GBRJGM00.M2R@mo130uhou.palm.net>

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello from Adam Kb2Jpd,a kindred spirit.

I was contemplating a similar project using a Palm--doing remote multiple radio control with a frequency readout (using dead reckoning) and later on, log entry. I am still reading all the Palm docs from their site and deciding if I want to do it in C++.

I have a few questions to bounce off you, if you have the time.

1)Are you going mobile, or is this going to be a domestic project?

2)the Hotsync cradle

Are you going to use the Palm cradle or a third-party cradle?

I have seen the Hotsync cable available without the cradle. In a mobile environment, it may suit better than the newer Palm cradles (black and without the metal cast weight in the base).

The new black cradles dont grip the sides of the PDA like the gray ones did.

The Happy Hacking cradle is another great accessory. It has a PS/2 keyboard connector and you recover the comport in the rear of the cradle.

The case alsos offers a good home for the PCB.

Enough questions,please enjoy the weekend.

Adam KB2JPD

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Date: Fri, 13 Apr 2001 23:20:08 -0700  
From: "John Moriarity" <k6qq@hdo.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96320] OT: Toshiba laptop help  
Message-ID: <00c601c0c4aa\$f4b411a0\$77414cd1@k6qq>

Hi All,

I hate to do this, but I can't get any help elsewhere.

I bought a Toshiba Tecra 550CDT laptop with no operating system (a mistake).

After a month of trying to get a stable installation of Win98 with no success, I finally got a Toshiba \*Tech\* who said that I need a 'Configuration Builder" CD.

Well, I don't have one, and Toshiba is "out of stock", with no promise date for more!!

The laptop newsgroup is no help.

Does anybody have one I can borrow (with a deposit) so I can get this expensive piece of junk working??

Thanks & 73,

John, K6QQ

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Date: Sat, 14 Apr 2001 06:27:02 +0100  
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>  
To: qrp-1@Lehigh.EDU  
Subject: [96321] [MH101] Spec sheets  
Message-ID: <5.0.2.1.0.20010414060237.009f94f0@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

For those people that want to learn more about what is going on inside the engine, here are a few URLs that I dug up while calling CQ on 30m.  
:-) Got KH6 again for a 2xQRP QSO while I was trying to surf.

<http://www.stanford.edu/class/ee133/parts.html> for SA602, 2N3904, AN1982 and AN 1983 for App Notes on 602s.

[http://xanadu.ece.ucsb.edu/~long/ece1456/ece218b\\_lab1\\_w01.pdf](http://xanadu.ece.ucsb.edu/~long/ece1456/ece218b_lab1_w01.pdf)

<http://www.ugrad.physics.mcgill.ca/Specs/2N3906.pdf>

<http://www.mouser.com/specsheets/114211.pdf> for the IF cans and you do need this one

I killed off a few trees printing this stuff, but I needed it for this rig. I am impressed with the spec sheets in .pdf format and the quality of print that I am getting. As good as the manuals you get direct from the manufacturers.

Yesterday I finished the case for the SW-30+ from Dave Benson and got it all "purty".

WOW. Gang, it's 11:15pm local and I was calling CQ and what do you know!! Got DE finally and this late at night too and during bad condx.... Go figure.

OK, only 2 to go. This is fun.

OK, back on topic. I will now go through a series of building steps for small projects ---- RF probe, crystal checker and maybe a couple of oscillators for seeing what each type will do both in frequency on the same crystal and power out. Also going to take the NE602/SA612 and use them to test crystals also.

And then we'll start in on the MH-30 and a discussion of mods. I am getting a PIC chip from someone on Monday or so to test for a freq counter in the rig.

OK, back looking for the Commonwealth of VA....

FYI

Chuck Adams, K7Q0 CP-60  
Prescott, AZ k7qo@earthlink.net <http://www.qsl.net/k7qo> <http://moon.pr.erau.edu/~adamsc>

TMPS-2001 April 10th, 2001 States = 48

States Needed AK VA

DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6 EA8 EA7

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Date: Sat, 14 Apr 2001 07:07:00 +0530  
From: "TRI" <vu2tri@yahoo.com>  
To: <edl@pacbell.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96322] Re: PSK31 Reflector  
Message-ID: <000b01c0c4c0\$3fe7e1a0\$e730003d@t0k9l4>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

<psk31@qth.net>  
PSK 31 reflector is on the QTH.NET site in the list of reflectors.

Digital links at <http://www.digitalham.net/>

[digitalradio-subscribe@egroups.com](mailto:digitalradio-subscribe@egroups.com)

[zakanaka-unsubscribe@eGroups.com](mailto:zakanaka-unsubscribe@eGroups.com)

Some reflectors are available on the [www.groups.yahoo.com](http://www.groups.yahoo.com)  
like Zakanaka, MMTTY, MMSSTV, Digital Radio

73s  
De  
Anil   vu2tri

-----  
Date: Sat, 14 Apr 2001 07:05:38 -0400  
From: geoff allsup <[gallsup@whoi.edu](mailto:gallsup@whoi.edu)>  
To: k6qq@hdo.net  
Cc: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [96323] Re: OT: Toshiba laptop help  
Message-ID: <3AD82F02.747CCAEB@whoi.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

John Moriarity wrote:

>  
> Hi All,  
>  
> I hate to do this, but I can't get any help elsewhere.  
>  
> I bought a Toshiba Tecra 550CDT laptop with no  
> operating system (a mistake).  
>  
> After a month of trying to get a stable installation of  
> Win98 with no success, I finally got a Toshiba \*Tech\*

> who said that I need a 'Configuration Builder" CD.  
>  
> Well, I don't have one, and Toshiba is "out of stock",  
> with no promise date for more!!  
>  
> The laptop newsgroup is no help.  
>  
> Does anybody have one I can borrow (with a deposit)  
> so I can get this expensive piece of junk working??  
>

Don't have a Toshiba CD to offer, but...have you tried installing Linux  
on it? I think that should just install without any special CD from  
Toshiba.

72 & good luck,  
geoff

--  
\*\*\*\*\*  
Geoff Allsup, W10H gallsup@whoi.edu or w10h@arrl.net  
Upper Ocean Processes Group  
Woods Hole Oceanographic Institution Woods Hole, MA, USA  
\*\*\*\*\*

-----  
Date: Sat, 14 Apr 2001 07:10:35 -0400  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>, ". Eastern PA  
QRP Club" <epaqrp-l@Lehigh.EDU>  
Subject: [96324] Fw: MD AT 20M SSB tomorrow approx noon  
Message-ID: <002a01c0c4d3\$87f50820\$1f5278cc@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: Bob&Liz Baker

I intend to activate the AT in Maryland tomorrow.  
my location will be Annapolis rocks.  
frequency 14.280 plus or minus QRM  
SSB approx 20 watts  
expect to begin transmitting between noon and 1 pm  
will continue operating as long as battery lasts, possibly  
some operating Sunday morning.  
please post me as many places as possible. THANKS



If you have any recommendations please email me tonight.

Thanks again,

Bob

-----  
Date: Sat, 14 Apr 2001 05:56:05 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: John Moriarity <k6qq@hdo.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96325] Re: OT: Toshiba laptop help  
Message-ID: <Pine.LNX.4.31.0104140550140.823-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

John that CD they don't have anymore is just a bios setup scheme they have to set things to a new setup for various operating systems. That said, please tell me what your loading and what doesn't work.

You can do everything manually if you must, but you need to know what it is.

If you don't have the manual for the computer, try the Toshiba web page. I will take some searching...:-)

On Fri, 13 Apr 2001, John Moriarity wrote:

> Hi All,  
>  
> I hate to do this, but I can't get any help elsewhere.  
>  
> I bought a Toshiba Tecra 550CDT laptop with no  
> operating system (a mistake).  
>  
> After a month of trying to get a stable installation of  
> Win98 with no success, I finally got a Toshiba \*Tech\*  
> who said that I need a 'Configuration Builder" CD.  
>  
> Well, I don't have one, and Toshiba is "out of stock",  
> with no promise date for more!!  
>  
> The laptop newsgroup is no help.  
>

> Does anybody have one I can borrow (with a deposit)  
> so I can get this expensive piece of junk working??  
>  
> Thanks & 73,  
>  
> John, K6QQ  
>  
>  
>  
>  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Sat, 14 Apr 2001 06:40:54 -0600  
From: "David Ek" <ekdave@earthlink.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [96326] Re: [OT]Re::interfacing PDA with QRP rig  
Message-ID: <001f01c0c4e0\$268bfa00\$0100a8c0@oldman>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Adam,

> I was contemplating a similar project using a Palm--doing remote  
> multiple radio control with a frequency readout (using dead reckoning)  
> and later on, log entry. I am still reading all the Palm docs from  
> their site and deciding if I want to do it in C++.  
>  
> I have a few questions to bounce off you, if you have the time.  
>  
> 1)Are you going mobile, or is this going to be a domestic project?

This is actually for portable--I do field contests sometimes in conjunction with backpacking trips, so I gotta travel light.

> 2)the Hotsync cradle  
> Are you going to use the Palm cradle or a third-party cradle?

> I have seen the Hotsync cable available without the cradle. In a mobile  
> environment, it may suit better than the newer Palm cradles (black and  
> without the metal cast weight in the base).  
> The new black cradles dont grip the sides of the PDA like the gray ones  
> did.

I'm just using the hotsync cable (that's all my m100 came with, anyway).

>  
> The Happy Hacking cradle is another great accessory. It has a PS/2  
> keyboard connector and you recover the comport in the rear of the  
> cradle.  
> The case alsos offers a good home for the PCB.

Huh. I'll have to check that out. Might be handy around the shack.

>  
> Enough questions, please enjoy the weekend.

You too.

73,

Dave AB0G0

-----  
Date: Sat, 14 Apr 2001 08:59:59 -0400  
From: "NZ8J" <timcook@erinet.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [96327] WTB: ZM-2  
Message-ID: <010e01c0c4e2\$d1a3cd80\$6122fea9@nec>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anyone have a nicely contstructed working ZM-2 antenna tuner for sale, I  
would like to buy one. please email if you have one.

Thanks  
Tim  
Nz8J

-----

Date: Sat, 14 Apr 2001 11:03:19 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-l list <qrp-l@lehigh.edu>, qrp@qth.net  
Subject: [96328] Dayton Vendor/Club night  
Message-ID: <3AD866B7.5C231348@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Folks,

As Dayton draws near, it's time to finalize your plans to participate in the BIG event on Friday night. No, the banquet has moved to Saturday night and Friday night is Club/Vendor night. We'll be in the big ballroom for this event so check it out and reply as appropriate:

1. Club Night - If your club would like to have a table to promote your club, sell kits, you name it, then sign up now. This is a good place to have info about your club and if you "accept" national/international" memberships, sign'em up here. The Cheezeheads of where-else WIS set the tone last year when they had, you guessed it, "cheese" and more at their table. We are encouraging all clubs to have some munchies for all to share. Perhaps some local delicacy for all to sample. Do you have a web site? Promote that as well. Banners, sure! QSL cards from all your members on the wall? Absolutely. Funny hats for your team, why not? Tee shirts, need we say more? There will be a prize for the club that is judged to be the "best in show" based on - well, who knows, but we'll figure it out.

2. Vendors - Funny hats, tee shirts, munchies - same thing applies - go all out. But seriously, if you are a vendor that has something for QRPers (and who doesn't - OK maybe ETO) and would like to set up on Friday night - the official vendor night - please let me know. I have heard from a few already and be assured there will be tables for all. But please let me know ahead of time so we can make up tent cards, and assign spaces. One table limit, please. But bring enough kits, parts to satisfy a hungry crowd. Last year, some vendors snuck in on Thursday night (and yes, you can do that too if you wish but it's not the official vendor night) and were sold out BEFORE Vendor Night - don't let that happen to you - bring plenty! Again, please email me to reserve your space (but if you forget to reserve, come anyway, we'll work you in!) Vendors = please note - if you would like for the QRP ARCI club to "feature/show" your kit or item at our Hamvention booth, please get with me. We have limited space to show your stuff and even sell some on consignment at our main booth at the Hamvention.

So get ready for over 250 QRPers in one room ready to buy and have fun on Club/Vendor night = Friday, May 18 - 7 PM til 11 PM \*\*\*\*\*

QRPers - if you have a friend who is a vendor but may not receive this mailing, please forward along and ask them "Why not be at the QRP Vendor night?" Thanks for your help.

--

Jim Stafford, W4Q0@arrl.net 770-993-9500  
President - QRP ARCI <http://www.qrparci.org>  
Chief Op: <http://www.w4qo.com>  
My local QRP club: <http://www.nogaqrp.org>

-----  
Date: Sat, 14 Apr 2001 10:06:14 -0500  
From: Randy & Cara Randall <crrandal@seidata.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96329] MFJ 9420 VFO Drift Fix?  
Message-ID: <3AD86766.8D1F450E@seidata.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello. I have a MFJ 9420 that just plain drifts too much. Reminds me of a old Siltronix I had, but this one does not settle down. Very, very temp. sensitive. Any ideas or proven mods out there? It is a shame since the little radio works well otherwise. Makes it almost impossible to use portable as the outside temp varies too much and I get tired riding the VFO.

73  
Randy KB8AS0

p.s. I have installed the CW option. Could this be contributing to the problem?

-----  
Date: Sat, 14 Apr 2001 11:12:02 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-l list <qrp-l@lehigh.edu>, qrp@qth.net, NoGaQRP Club <nogaqrp@qth.net>, fpqrp <fpqrp-l@mpna.com>  
Subject: [96330] Contest is ON!  
Message-ID: <3AD868C2.34490109@amsat.org>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The Spring Party is in full swing. See  
<http://personal.palouse.net/rfoltz/arci/spring.htm> Goes til 2400zzzz  
tomorrow night.

If you have the TRlog program, the contest is supported under the  
designator ARCI; works great.

If you have a QRP Cub, please make a few contacts and report your score  
to the Cub list, <http://qrpcub.listbot.com>

Remember there are categories for everyone - Low Band, High Band, Single  
Band, DX, etc.

Exchange: RST, State/Province/Country(SPC), and ARCI number (once a  
member, always a member!) or your output power for non-members. Need to  
check to find your number? goto: <http://www.qrparci.org/lookup.html>

Go for it. Remember to check Novice frequencies on the hour. See the  
[spring.htm](http://personal.palouse.net/rfoltz/arci/spring.htm) web page above for frequencies. On Sunday, check 28.060 on  
the hour and 21.060 on half hour. You CAN work same station on each  
band!

--

Jim Stafford, W4Q0@arrl.net 770-993-9500  
President - QRP ARCI <http://www.qrparci.org>

-----  
Date: Sat, 14 Apr 2001 11:24:37 -0400  
From: "Ilana and Steve" <linus@total.net>  
To: <qrp-1@Lehigh.EDU>  
Cc: <k6qq@hdo.net>  
Subject: [96331] Re: Toshiba laptop help  
Message-ID: <007301c0c4f7\$053bb860\$6400000a@resol1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Most laptops are difficult to setup. Try windows 2000 pro. I use it on my  
Toshiba 4020. It did not need or ask for any Toshiba drivers. Setup was  
simple, plus you get the benefit of NTFS on the drive.

73

Steve VE2SKA

----- Original Message -----

From: "John Moriarity" <k6qq@hdo.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Saturday, April 14, 2001 2:20 AM

Subject: OT: Toshiba laptop help

> Hi All,  
>  
> I hate to do this, but I can't get any help elsewhere.  
>  
> I bought a Toshiba Tecra 550CDT laptop with no  
> operating system (a mistake).  
>  
> After a month of trying to get a stable installation of  
> Win98 with no success, I finally got a Toshiba \*Tech\*  
> who said that I need a 'Configuration Builder" CD.  
>  
> Well, I don't have one, and Toshiba is "out of stock",  
> with no promise date for more!!  
>  
> The laptop newsgroup is no help.  
>  
> Does anybody have one I can borrow (with a deposit)  
> so I can get this expensive piece of junk working??  
>  
> Thanks & 73,  
>  
> John, K6QQ  
>  
>  
>  
>  
>  
>  
>

-----  
Date: Sat, 14 Apr 2001 11:27:16 -0400

From: "Doug Person" <DougPerson@attglobal.net>

To: <ccrrandal@seidata.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [96332] Re: MFJ 9420 VFO Drift Fix?

Message-ID: <007f01c0c4f7\$631ac980\$01000100@M6>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Randy,

My 9420 drifts about as bad as yours. I spoke to MFJ about it and they acted like they never heard of the problem. I also have a 9410 (10 meters) which is remarkably stable.

73/2 Doug -- W4DXV

----- Original Message -----

From: "Randy & Cara Randall" <ccrrandal@seidata.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Saturday, April 14, 2001 11:06 AM

Subject: MFJ 9420 VFO Drift Fix?

> Hello. I have a MFJ 9420 that just plain drifts too much. Reminds me of  
> a old Siltronix I had, but this one  
> does not settle down. Very, very temp. sensitive. Any ideas or proven  
> mods out there? It is a shame since  
> the little radio works well otherwise. Makes it almost impossible to use  
> portable as the outside temp varies  
> too much and I get tired riding the VFO.

>

> 73

> Randy KB8ASO

>

> p.s. I have installed the CW option. Could this be contributing to the  
> problem?

>

-----  
Date: Sat, 14 Apr 2001 16:31:57 +0000

From: Garie Halstead <k8kfj@ntelos.net>

To: Ron Polityka <wb3aal@fast.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [96333] Re: Fw: MD AT 20M SSB tomorrow approx noon

Message-ID: <3AD8352D.A0DDB6BA@ntelos.net>

MIME-Version: 1.0



Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ron....

What's Bob's callsign?????????

72 //Gary \*K8KFJ\*

-----  
Date: Sat, 14 Apr 2001 10:44:56 -0600  
From: "James R. Duffey" <jamesd1@flash.net>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [96334] Losses in "450" Ohm Window Line  
Message-ID: <B6FDDAA8.8588%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="ISO-8859-1"  
Content-transfer-encoding: quoted-printable

Earlier this week someone referred to a post that I believe that I made on how recent data indicated that the losses of common "450" Ohm window ladder line is higher than Handbook values indicate.

The article I referred to is in "The ARRL Antenna Compendium Vol. 6" and is entitled "Balanced Transmission Lines in Current Amateur Practice" by N7WS=  
,  
Wes Stewart. It is recommended reading for those who use window line.

N7WS measured loss at 50 MHz of 4 different commercially available "450" Ohm window lines. The reason 450 is in quote marks is that the first important finding is that the impedance of these 450 Ohm lines ranged from 359 Ohms to 405 Ohms. I suspect that the difference is that these lines are all made from jigs that were designed for a specific wire size and the old brown polyethylene dielectric. Some of the new ladder lines have larger wire for higher power handling, and the new high density polyethylene has a higher dielectric constant. These impedance differences should not be important for most antenna feeder use, however if you are using the feed line to make matching sections or tuning stubs, the impedance can be important.

Stewart measured losses from 0.33 dB/100ft to 0.4 dB/100ft (depending on the type of line) at 50 MHz dry. He also made measurements of the same line wet and the losses varied from 4.8 to 6.1 dB/100 ft at 50 MHz!

For comparison, the 2001 ARRL Handbook lists the loss of 450 Ohm window line at 100 MHz as 0.3 dB/100ft which corresponds to 0.2 dB/100 ft at 50 MHz. So the Handbook values appear to be low by up to a factor 2. I guess it takes awhile for the Handbook editors to read and incorporate work from the Compendiums. :^)=20

Now these are still low numbers, so I am not sure that this is a major issue. However, this is the first time I have seen the additional losses for wet lines quantified. I would worry if I used ladder line in a humid environment. Fortunately NM does not receive that much moisture, and much of what we receive is as snow which is less of a problem.

Dirt, dust, soot, salt, and other contaminants will make this loss only go higher, particularly when wet.

While I have the pulpit, two other points.

Someone wrote that balanced line does not radiate. This is not strictly true. A good balanced line will radiate, even if the currents in both wires are equal and opposite. It won't radiate much, about the same as a dipole with the same length as the line spacing, but it does radiate. This is not much of a problem unless there are RF sensitive devices or noise sources very close to the feed line.

Someone also wrote that ladder line has lower losses than coax. What perhaps is a better statement is that ladder line has lower losses than most coax that hams can afford. Large coax can perform similarly to balanced feeders in terms of loss. The Handbook lists 1.25 inch Heliax=81 with the same loss as 450 Ohm windowed ladder line. It would perform similarly, in terms of loss, feeding multiband non resonant antennas as the ladder line. Now the cost is several bucks per foot for the Heliax against \$0.17 or so for the ladder line. None the less, surplus 3/4 inch or 7/8 inch CATV coax can often be obtained very cheaply (or free) and would perform nearly as good as ladder line dry and be a much better feed line when wet.

I hope that this helps. - Dr. Megacycle KK6MC/5

=20

--=20

James R. Duffey KK6MC/5  
30 Casa Loma Road

Cedar Crest, NM 87008

-----  
Date: Sat, 14 Apr 2001 16:49:07 -0400  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [96335] Re: Fw: MD AT 20M SSB tomorrow approx noon  
Message-ID: <002101c0c524\$59f1fea0\$970e5cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bob

KD3UY

----- Original Message -----  
From: "Garie Halstead" <k8kfj@ntelos.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Saturday, April 14, 2001 12:31 PM  
Subject: Re: Fw: MD AT 20M SSB tomorrow approx noon

> Ron....  
>  
> What's Bob's callsign?????????  
>  
> 72 //Gary \*K8KFJ\*  
>  
>

-----  
Date: Sat, 14 Apr 2001 10:22:00 -0700  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [96336] Re: The web paper only showed less than 0.1 dB loss for `100 feet  
of ladder line  
Message-ID: <007101c0c507\$6acdf7a0\$19d1fc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Stuart

If I recall correctly, the tubular twinlead was designed that way for better wet weather performance.

The idea was that the tubular covering reduced the effect on the fields between the wires when it was raining and the surface was wet.

73, Bob N6WG

-----  
Date: Sat, 14 Apr 2001 10:25:59 -0700  
From: "Bob Hightower" <nk7m@extremezone.com>  
To: "qrp list" <qrp-l@lehigh.edu>  
Subject: [96337] FS: K2  
Message-ID: <006201c0c507\$f9cedaa0\$51127d3f@de11>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have decided to sell one of my K2's. It includes the SSB board, NB board, ATU and the zero beat indicator. Works FB, and is in excellent condition. I also will include the internal battery option. The battery and mount are not installed, but the connector is on the RF board.

Asking \$900.00, shipped within U.S. Outside of U.S., will dicker on shipping.

Bob NK7M

-----  
Date: Sat, 14 Apr 2001 12:08:22 -0600  
From: Tim Pettibone <k5oi@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [96338] ARCI Spring QSO Party  
Message-ID: <5.0.2.1.0.20010414120502.009e9070@zianet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang - not much activity. Better get on there or I'll fall asleep! Maybe 40m will be hot later. Worked KB7WW on 15m and then Doc, K0EVZ, on 20m. (Hey Doc how come your ARCI number is so big [9398]?)

Tim K5OI, QRP ARCI # 7772  
Las Cruces, NM (the land of enchantment)

-----  
Date: Sat, 14 Apr 2001 18:17:04 -0400  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>  
Subject: [96339] Re: ARCI Spring QSO Party  
Message-ID: <02e401c0c530\$a3c877a0\$970e5cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Wow, the bands are dead.

Hopefully I can make some more Q's later  
with my 950 mW signal.

72 & 73  
Good DXing

Ron Polityka  
de WB3AAL  
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv  
        <http://www.n3epa.org>  
Eastern Pennsylvania QRP Club Call  
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

-----  
Date: Sat, 14 Apr 2001 11:26:50 -0700  
From: "Denis Englander" <ko6gf@slip.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [96340] QRP Wireless Internet!  
Message-ID: <000701c0c510\$791769a0\$f1507fd8@sirus.com>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang...

Well, another use of the air waves...

This one uses a portion of the FCC "Free Band"  
area (802.11b), with low power, to create a community  
based wireless internet connection.

Here is the URL for a website which has sprung up  
around the idea...

<http://nocat.net/>

If the concept offends anybody, please no replies.

72/73 de K06GF - Denis in SF

-----  
Date: Sat, 14 Apr 2001 11:45:49 -0700  
From: "Denis Englander" <ko6gf@slip.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [96341] QRP Wireless Internet! 802.11b explained  
Message-ID: <002301c0c513\$1fb0b9e0\$f1507fd8@sirus.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang..

Sorry...probably caused more questions than  
answers in my first post.

Here is the URL for an article on 802.11b  
emissions in the ISM 2.4GHz Band.

[http://www.lns.com/papers/FCCPart15\\_and\\_the\\_ISM\\_2.4G\\_Band.index](http://www.lns.com/papers/FCCPart15_and_the_ISM_2.4G_Band.index)

This article was found on one of the pages of the <http://nocat.net/> site.

I can't help but wonder how many of the active participants in this  
technology are Hams. Certainly an interesting concept to those

who use the Internet.

72/73 de K06GF - Denis in SF

-----  
Date: Sat, 14 Apr 2001 14:56:31 -0400  
From: "William B. Keane" <bkeane@mail1.nai.net>  
To: k6qq@hdo.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96342] Re: OT: Toshiba laptop help  
Message-ID: <3AD89D5F.B6A13AD9@ct1.nai.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

John,

Why not try Linux. I just installed SuSE 7.1 (\$29.95) on my laptop with no problems. You might look here-  
<<http://www.physics.adelaide.edu.au/~jwoithe/toshiba-550CDT.html>>  
for a description of the install don't worry about the geekness.

The newer distributions are a lot easier and should install out of the box.

72 Bill n1nik CT

John Moriarity wrote:

>  
> Hi All,  
>  
> I hate to do this, but I can't get any help elsewhere.  
>  
> I bought a Toshiba Tecra 550CDT laptop with no  
> operating system (a mistake).  
>

-----  
Date: Sat, 14 Apr 2001 15:02:49 -0500 (CDT)  
From: ac5ez@webtv.net (Larry)  
To: qrp-1@lehigh.edu  
Subject: [96343] qrp/distance  
Message-ID: <1450-3AD8ACE9-947@storefull-113.iap.bryant.webtv.net>  
Content-Disposition: Inline

Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)

Just got my card in from OE5ke , worked him aug 2000 with the mfj 9020 at 3 watts for 1806 miles per watt. Does that qualify for some kind of fantastic award certificate :)?) ?

K1zw  
Larry  
Qcwa

-----  
Date: Sat, 14 Apr 2001 14:34:11 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "James R. Duffey" <jamesd1@flash.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96344] Re: Losses in "450" Ohm WIndow Line  
Message-ID: <Pine.LNX.4.31.0104141424150.826-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Your data is real good James. I did measure the line I'm using and get about 400 ohms so I verify that number with my mfj bridge. The main reason I like the 400 ohm line is because it's a great match at the center of the dipole, and the MFJ antenna tuners have a well made 4:1 balun in them. It makes a balanced antenna that's usefull on all bands when the dipole is 135 feet long.

The other feature is the line is cheap, much cheaper than coax, but more expensive than 300 ohm TV ribbon. You can do at QRP levels about the same with either feedline. Tim, K5OI uses 300 ohm ribbon and gets out very well!

On Sat, 14 Apr 2001, James R. Duffey wrote:

> Earlier this week someone referred to a post that I believe that I made on  
> how recent data indicated that the losses of common "450" Ohm wind owed  
> ladder line is higher than Handbook values indicate.  
>  
> The article I referred to is in "The ARRL Antenna Compendium Vol.6" and is  
> entitled "Balanced Transmission Lines in Current Amateur Practice" by N7WS,  
> Wes Stewart. It is recommended reading for those who use window line.



>  
> N7WS measured loss at 50 MHz of 4 different commercially available "450" Ohm  
> window lines. The reason 450 is in quote marks is that the first important  
> finding is that the impedance of these 450 Ohm lines ranged from 359 Ohms to  
> 405 Ohms. I suspect that the difference is that these lines are all made  
> from jigs that were designed for a specific wire size and the old brown  
> polyethylene dielectric. Some of the new ladder lines have larger wire for  
> higher power handling, and the new high density polyethylene has a higher  
> dielectric constant. These impedance differences should not be important for  
> most antenna feeder use, however if you are using the feed line to make  
> matching sections or tuning stubs, the impedance can be important.  
>  
> Stewart measured losses from 0.33 dB/100ft to 0.4 dB/100ft (depending on the  
> type of line) at 50 MHz dry. He also made measurements of the same line wet  
> and the losses varied from 4.8 to 6.1 dB/100 ft at 50 MHz!

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Sat, 14 Apr 2001 14:44:48 -0500 (CDT)  
From: Joe Reed <joe@n9jr.dyndns.org>  
To: Denis Englander <ko6gf@slip.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96345] Re: QRP Wireless Internet! 802.11b explained  
Message-ID: <Pine.LNX.4.21.0104141441390.4378-100000@n9jr.dyndns.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Why do you ask?

I am the IT Manager for a major computer company in Wisconsin, but I have not been playing with either 802.11a or 802.11b. I spend more time tearing my hair out with 802.1q.

I guess I missed the post. But is there anything I can help you with?

Joe N9JR  
joe@arrl.net

On Sat, 14 Apr 2001, Denis Englander wrote:

> Gang..  
>  
> Sorry...probably caused more questions than

> answers in my first post.  
>  
> Here is the URL for an article on 802.11b  
> emissions in the ISM 2.4GHz Band.  
>  
> [http://www.lns.com/papers/FCCPart15\\_and\\_the\\_ISM\\_2.4G\\_Band.index](http://www.lns.com/papers/FCCPart15_and_the_ISM_2.4G_Band.index)  
>  
> This article was found on one of the pages of the <http://nocat.net/> site.  
>  
> I can't help but wonder how many of the active participants in this  
> technology are Hams. Certainly an interesting concept to those  
> who use the Internet.  
>  
> 72/73 de K06GF - Denis in SF  
>

-----  
Date: Sat, 14 Apr 2001 14:59:08 -0600  
From: William R Colbert <w5xe@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [96346] 10.106  
Message-ID: <20010414.155135.-439643.1.w5xe@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Anyone have a current source for 10.106 crystals?  
Other than PR, International and JAN. There  
was a supplier a couple of years ago but don't seem to  
find that source listed now. My little hc49 shed its wires  
yesterday - too short to resolder! Need the HC49 to  
mount in the ft41 holder for my Knight T60 and  
Harvey-Wells TBS50. Thanks

Ray

"Politicians are like nappies. Both should be  
changed regularly -- and for the same reason"  
"Scotsman - Scotsman's Diary 12/97"  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78 fp #111  
NCT2 El Paso,(FAR WEST) TEXAS

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Sat, 14 Apr 2001 18:09:08 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: k5di@zianet.com, qrp-1@lehigh.edu  
Subject: [96347] Re: Losses in "450" Ohm WIndow Line  
Message-ID: <3AD8CA84.95D55BE8@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Karl,

Can I ask a dumb question? You say:

>

> The main reason I like the 400 ohm line is because it's a great match at the  
> center of the dipole, and the MFJ antenna tuners have a well made 4:1 balun  
> in them. It makes a balanced antenna that's useful on all bands when the dipole  
is >135 feet long.

>

Now I have always been taught that a dipole is a 72 ohm antenna at its center.  
That's a big mismatch for a 400 ohm line. I understand that the line has low loss  
and so the antenna can compensate for it, but it is still a mismatch! And the  
balun is at the tuner, not at the antenna's feedpoint. so it really does nothing  
but let your unbalanced tuner feed a balanced line.

Can you explain?

73

-----  
Date: Sat, 14 Apr 2001 15:31:48 -0700  
From: "John Moriarity" <k6qq@hdo.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96348] OT: Toshiba laptop help AGAIN & Thanks!  
Message-ID: <008001c0c532\$b29acce0\$e4414cd1@k6qq>

WOW!! Thanks to everyone for their replies, \*many\* replies!  
Let's take this off the reflector for any further talk.

To the Linux fans, I already have Linux on another machine;  
I need this one to be Windows98 for a reason.

I bought the Tecra 550CDT with a \*blank\* HD. Using my

Win98 startup disk, I did an FDISK and a FORMAT, setting it up with one partition, 32bit.

Again using the Win98 startup disk from my desktop machine, I loaded Win98 from the CD. BTW, the floppy drive and the hard drive both work just fine.

After loading Win98, the machine would boot normally right up to the Windows "Welcome" screen, and then freeze. It would not let me boot in safe mode until I went in at the command line level and modified MSDOD.SYS by adding the line <BootSafe=1>

Then, using the msconfig program, I selectively disabled all the drivers, and the various startup and .INI groups. Then I would have to edit MSDOS.SYS so it would try to start in normal mode. Many hours later, nothing has been found to point to the problem.

The registry tests O.K., the system files are not corrupted. No IRQ conflicts exist (that I can find).

I have loaded all the updated drivers form Toshiba, and I have had conversations with three of their "technicians". One of them suggested the "Configuration Builder" CD as an aid, but as I noted, they don't seem to be available..

At one point I got it to stay up long enough to start the installation of Win98SE. It works, kind of. I can start in safe mode, then restart into normal mode. It then runs for a variable length of time, sometimes as much as an hour, before freezing up. Still not stable. I haven't loaded any other software.

I've gone back to a Clean-Boot five times now, but always the same result! Pretty soon it's going back to Toshiba (it still has four monts of warranty).

Thanks again, guys.

73,

John, K6QQ

-----

Date: Sat, 14 Apr 2001 15:32:14 -0700  
From: Bob Nielsen <nielsen@oz.net>  
To: qrp-l@lehigh.edu  
Subject: [96349] Re: Losses in "450" Ohm Window Line  
Message-ID: <20010414153214.A6434@oz.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Sat, Apr 14, 2001 at 02:34:11PM -0600, Karl F. Larsen wrote:

> On Sat, 14 Apr 2001, James R. Duffey wrote:  
>  
> > Earlier this week someone referred to a post that I believe that I made on  
> > how recent data indicated that the losses of common "450" Ohm windowed  
> > ladder line is higher than Handbook values indicate.  
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> > finding is that the impedance of these 450 Ohm lines ranged from 359 Ohms to  
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> > from jigs that were designed for a specific wire size and the old brown  
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> >  
> > Stewart measured losses from 0.33 dB/100ft to 0.4 dB/100ft (depending on the  
> > type of line) at 50 MHz dry. He also made measurements of the same line wet  
> > and the losses varied from 4.8 to 6.1 dB/100 ft at 50 MHz!

That is the same article as was mentioned earlier. A copy is on Wes' web site at <http://triconet.org/~wesandlinda/ladder.htm>

Bob N7XY

--

Bob Nielsen, N7XY  
Bainbridge Island, WA  
IOTA NA-065, USI WA-028S

nielsen@oz.net  
<http://www.oz.net/~nielsen>

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Date: Sat, 14 Apr 2001 18:47:58 -0400 (EDT)  
From: Paul Mills <cybrinjn@gis.net>  
To: qrp-l@Lehigh.EDU  
Subject: [96350] Re: 10.106  
Message-ID: <Pine.LNX.4.20.0104141842190.1352-100000@daystar.capecod.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ocean State Electronics, [www.oselectronics.com](http://www.oselectronics.com), has them in hc6u package - \$9.65. You can adapt them to ft-243, I think. They also sell a ceramic socket for 2.95 in case you need it.

Paul KB1GEJ

On Sat, 14 Apr 2001, William R Colbert wrote:

> Anyone have a current source for 10.106 crystals?  
> Other than PR, International and JAN. There  
> was a supplier a couple of years ago but don't seem to  
> find that source listed now. My little hc49 shed its wires  
> yesterday - too short to resolder! Need the HC49 to  
> mount in the ft41 holder for my Knight T60 and  
> Harvey-Wells TBS50. Thanks

>

> Ray

>

> "Politicians are like nappies. Both should be  
> changed regularly -- and for the same reason"

> "Scotsman - Scotsman's Diary 12/97"

> Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78 fp #111

> NCT2 El Paso, (FAR WEST) TEXAS

>

>

> -----  
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End of QRP-L Digest 2159

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